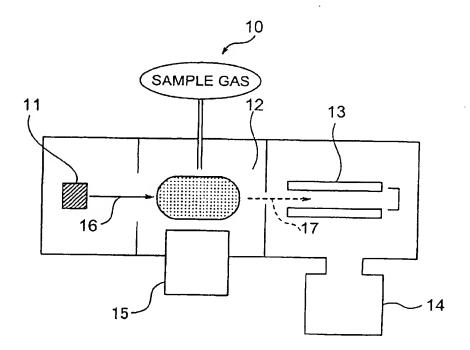
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FIG. 1



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FIG. 2A

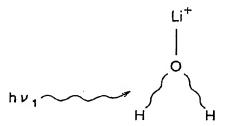


FIG. 2B

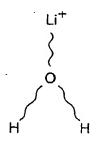
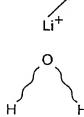


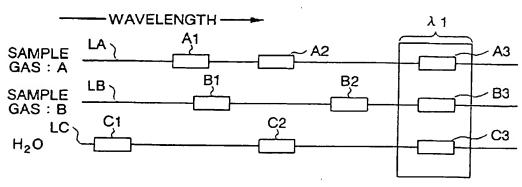
FIG. 2C



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FIG. 3A



A, B AND H2O ALL HEATED

FIG. 3B

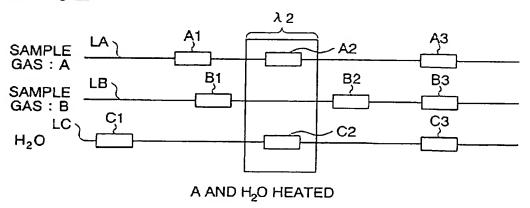
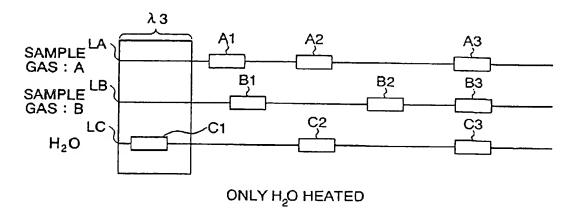


FIG. 3C



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FIG. 4A

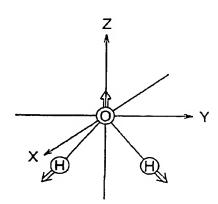


FIG. 4B

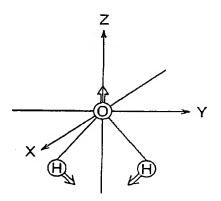
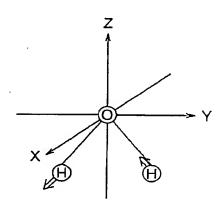


FIG. 4C



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FIG. 5

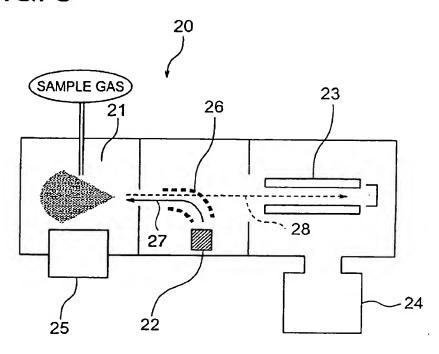


FIG. 6A

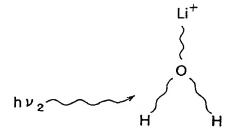
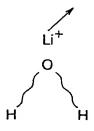


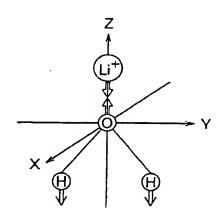
FIG. 6B



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FIG. 7A

FIG. 7B



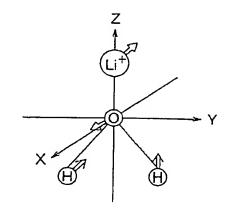
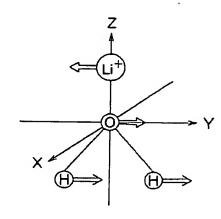


FIG. 7C

FIG. 7D



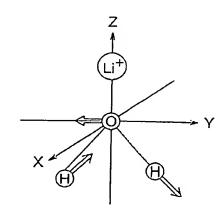
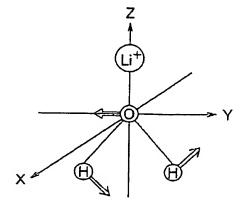
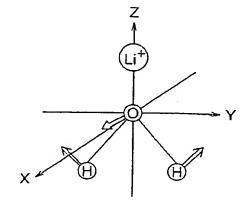


FIG. 7E

FIG. 7F





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FIG. 8A

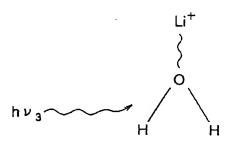
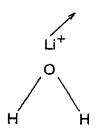


FIG. 8B



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FIG. 9A

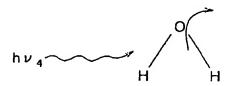


FIG. 9B

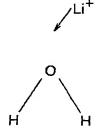
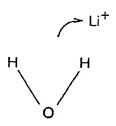


FIG. 9C



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APPARATUS
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FIG. 10

TABLE 1

(H₂O DATA)

	1	2	3							
ABSORPTION(cm ⁻¹)	1600.4266	3804.6077	3927.6241							
INFRAED INTENSITY	87.3269	5.0588	53.8299							
RAMAN SCATTERING	3.9861	90.6885	41.1649							
ATOM	X Y Z	X Y Z	X Y Z							
1 0	0.00 0.00 0.07	0.00 0.00 0.05	0.00 0.07 0.00							
2 H	0.00 -0.42 -0.57	0.00 0.59 -0.39	0.00 -0.56 0.43							
3 H	0.00 0.42 -0.57	0.00 -0.59 -0.39	0.00 -0.56 -0.43							

FIG. 11

TABLE 2

(HaOLTDATA)

(H ₂ OLI DATA)												
		1			2			3				
ABSORPTION(cm ⁻¹)		414.5520			542.8455			550.7633				
INFRAED INTENSITY		393.6313			156.0887			109.7634				
RAMAN SCATTERING		0.0293			0.0845			0.4622				
ATOM		X	Υ	Z	X	Υ	Z	X	Y	Z		
· 1	0	0.00	0.00	0.12	0.09	0.00	0.00	0.00	0.32	0.00		
2	Н	0.00	0.00	-0.70	-0.36	0.60	0.00	-0.01	0.33	0.00		
3	Н	0.00	0.00	-0.70	-0.36	-0.60	0.00	0.01	0.33	0.00		
4	Li	0.00	0.00	-0.06	-0.11	0.00	0.00	0.00	-0.83	0.00		
			4			5			6			
ABSORPTION(cm ⁻¹)		1675.0619		3776.3382			3858.0805					
INFRAED INTENSITY		137.4893		99.0444			219.3061					
RAMAN SCATTERING		2.2496		70.0029			25.5333					
ATOM		×	Υ	Z	X	Υ	Z	X	Υ	Z		
1	0	0.00	-0.07	0.00	0.00	-0.05	0.00	0.07	0.00	0.00		
2	Н	-0.43	0.56	0.00	0.58	0.40	0.00	-0.57	-0.43	0.00		
3	н	0.43	0.56	0.00	-0.59	0.40	0.00	-0.56	0.42	0.00		
4	Li	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		